

What is claimed is:

1. A test support apparatus for supporting a test
of a screen program using a graphic user interface,
5 comprising:

a test support class generation unit obtaining
screen definition information about a test target
screen program, and generating a test support class
which is a subclass inheriting a class of the test
10 target screen program according to the screen
definition information, and a class for testing the
test target screen program; and

a test execution unit conducting a test of the
test target screen program using the generated test
15 support class.

2. The apparatus according to claim 1, further
comprising

a test specification generation unit
20 generating a test specification for the test target
screen program according to the screen definition
information, and providing the test specification
for said test execution unit.

25 3. The apparatus according to claim 2, further

comprising:

a test report generation unit generating a test report using the test specification generated by said test specification generation unit and a
5 test execution result obtained by said test execution unit.

4. The apparatus according to claim 3, wherein
said test support class has a function of
10 supporting input of input test data.

5. The apparatus according to claim 1, wherein
said test support class has a function of
recording a test result obtained when a test is
15 conducted.

6. The apparatus according to claim 1, wherein
said test support class has a function of
visually indicating a test execution portion on a
20 screen.

7. The apparatus according to claim 1, wherein
said test support class has a function of
conducting a test using new input test data or
25 input data about a previous test execution result.

8. The apparatus according to claim 7, wherein
said test support class has a function of
displaying a warning when an execution result of a
test conducted using the input data about the
previous test execution result is different from
the previous test execution result.

9. The apparatus according to claim 1, wherein
said test support class has a function of
supporting measurement of performance of the test
target screen program.

10. A test supporting method for supporting a test
of a screen program using a graphic user interface,
comprising:

obtaining screen definition information about
a test target screen program, and generating a test
support class which is a subclass inheriting a
class of the test target screen program according
to the screen definition information, and a class
for testing the test target screen program; and

conducting a test of the test target screen
program using the generated test support class.

11. A computer-readable storage medium storing a program used to direct a computer to control support of a test of a screen program using a graphic user interface, said program to direct said computer to perform the process of:

obtaining screen definition information about a test target screen program; and

generating a test support class which is a subclass inheriting a class of the test target screen program according to the screen definition information, and a class for testing the test target screen program.

12. A computer-readable storage medium storing a program used to direct a computer to control support of a test of a screen program using a graphic user interface, said program to direct said computer to perform the process of:

receiving input data; and

conducting a test of a test target screen program using a test support class which is a subclass inheriting object-oriented programming for a class of the test target screen program, and tests a screen program using the received input data.

13. A computer data signal embodied in a carrier wave and representing a program that makes the computer perform the control for supporting a test of a screen program sing a graphic user interface, and the program makes the computer execute the process of:

receiving new input test data, or input data about a previous test execution result; and
conducting a test of a test target screen program using a test support class which is a subclass inheriting object-oriented programming for a class of the test target screen program, and tests a screen program using the received input data.

14. A test support apparatus for supporting a test of a screen program sing a graphic user interface, comprising:

test support class generation means for obtaining screen definition information about a test target screen program, and generating a test support class which is a subclass inheriting a class of the test target screen program according to the screen definition information, and a class

for testing the test target screen program; and

test execution means for conducting a test of the test target screen program using the generated test support class.